

IN THE CLAIMS

Please substitute claims 1-5 with the following:

1. (Original) A data storage device comprising:

a plurality of storing means for storing data;

writing means for writing data to any of said storing means;

reading means for reading data from any of said storing means; and

addressing means which, when data are to be either written by said writing means

or read by said reading means, addresses said storing means in desired increments by use of a

unique address.

2. (Original) A data storage device according to claim 1, wherein said addressing means has a plurality of organizing methods for organizing said storing means into increments for collective addressing, each of the methods causing said storing means to be addressed in desired increments by use of another unique address, said desired increments including the same storing means.

3. (Original) A data storage device according to claim 2, wherein said data are image data, and wherein said organizing methods include a method for organizing one-byte data in increments of pixels, and a method for organizing one-byte data by dividing the pixel-by-pixel one-byte data into desired increments of bits.

4. (Original) A data storage device according to claim 1, wherein said addressing means maps the same storing means in different address spaces.

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5. (Original) A data storing method for transferring data from source addresses to destination addresses for storage, the method comprising the steps of:

temporarily storing all input data;

successively retrieving out of said input data only those data items corresponding to addresses picked in desired increments; and

successively transferring the retrieved data items from said source addresses to said destination addresses for storage.